Title (en)

Production line

Title (de)

Fertigungslinie

Title (fr)

Chaîne de production

Publication

EP 1488884 A2 20041222 (DE)

Application

EP 04012728 A 20040528

Priority

DE 10325878 A 20030606

Abstract (en)

The production line is assembled of at least two machines (1) for a consecutive processing of a particular work-piece (2), a first conveying device (3) guiding the item (2) towards the machine (1) and a second device (4) guiding the item from one processing station (1) to the next. The transport device (3) which can be a conveyor belt and the removal unit (4) which can also be a conveyor belt or any other suitable construction are arranged above each other in two layers in order to require as little space as possible.

Abstract (de)

Die Erfindung betrifft eine Fertigungslinie, bestehend aus mindestens zwei Bearbeitungsmaschinen, welche Werkstücke bearbeiten. Die Werstücke werden auf einer Anförderbahn von einer Transportbahn zu der Bearbeitungsmaschine gefördert. Nach der Bearbeitung werden die Werkstücke von einer Abförderbahn von der Bearbeitungsmaschine zu einer Transportbahn gefördert. Anund Abförderbahn sind in verschiedenen Ebenen übereinander angeordnet.

IPC 1-7

B23Q 7/03; B23Q 7/14

IPC 8 full level

B23Q 7/03 (2006.01); **B23Q 7/04** (2006.01); **B23Q 7/14** (2006.01)

CPC (source: EP US)

B23Q 7/043 (2013.01 - EP US); Y10T 29/5124 (2015.01 - EP US); Y10T 29/5196 (2015.01 - EP US); Y10T 409/30392 (2015.01 - EP US); Y10T 409/305824 (2015.01 - EP US); Y10T 409/307168 (2015.01 - EP US); Y10T 483/1795 (2015.01 - EP US)

Cited by

DE102008009090B3; CN105712039A; DE102006019326B3; DE102008024397A1; WO2009100751A1; US8307972B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1484132 A2 20041208; **EP 1484132 A3 20060726**; CN 1590015 A 20050309; CN 1608798 A 20050427; DE 10325878 A1 20041223; EP 1488884 A2 20041222; EP 1488884 A3 20060510; US 2005061612 A1 20050324; US 2005163600 A1 20050728

DOCDB simple family (application)

EP 04012729 A 20040528; CN 200410011951 A 20040604; CN 200410071443 A 20040604; DE 10325878 A 20030606; EP 04012728 A 20040528; US 86150704 A 20040607; US 86150904 A 20040607